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Conserving aq. dispersions of liposome microcapsules - by freeze-drying to form paste or solid which can be rehydrated prior to use

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Patent Family: 10 patents, 7 countries

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
BE 873865	A	19790801				197932	B
GB 2013609	A	19790815				197933	E
NL 197900822	A	19790806				197934	E
DE 2904047	A	19790913	DE 2904047	A	19790202	197938	E
FR 2416008	A	19791005				197946	E
US 4247411	A	19810127	US 19798115	A	19790131	198107	E
GB 2013609	B	19821208				198249	E
DE 2954558	A	19870619	DE 2954558	A	19790202	198725	E
IT 1119264	B	19860310				198728	E
DE 2904047	C	19900419	DE 2904047	A	19790202	199016	E

Priority Applications (no., kind, date): FR 19782927 A 19780202

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
BE 873865	A	FR			

Alerting Abstract BE A

Conservation of aq. dispersions of liposomes comprising organised molecular layers between which is encapsulated an aq. phase contg. ≥ 1 active substances, the layers comprising ≥ 1 lipids of formula X-Y (where Y is lipophilic gp. and X is (non)ionic hydrophilic gp.) the spherules having a dia. of 100 to 50,000 angstroms, comprises (a) preparing an aq. dispersions; and (b) freeze-drying to give a paste or solid; shortly before use the paste or solid is rehydrated to regenerate the original compsn.

The preps. may be stored for long periods without changing the permeability of the liposomes. Useful for compns. containing skin and scalp-treating agents, water-soluble sunscreen agents, deodorants, astringents, perfumes, water-soluble dyes, decolourizing oxidizers, vitamins, hormones, vaccines, bactericides etc.

I. Original Publication Data by Authority

Original Abstracts:

Aqueous dispersions of spherules in the form of organized molecular layers of lipids, between which is encapsulated an aqueous phase containing at least one active substance are rendered more storage-stable by lyophilization. They can readily be reconstituted by re-hydration.

Basic Derwent Week: 197932